

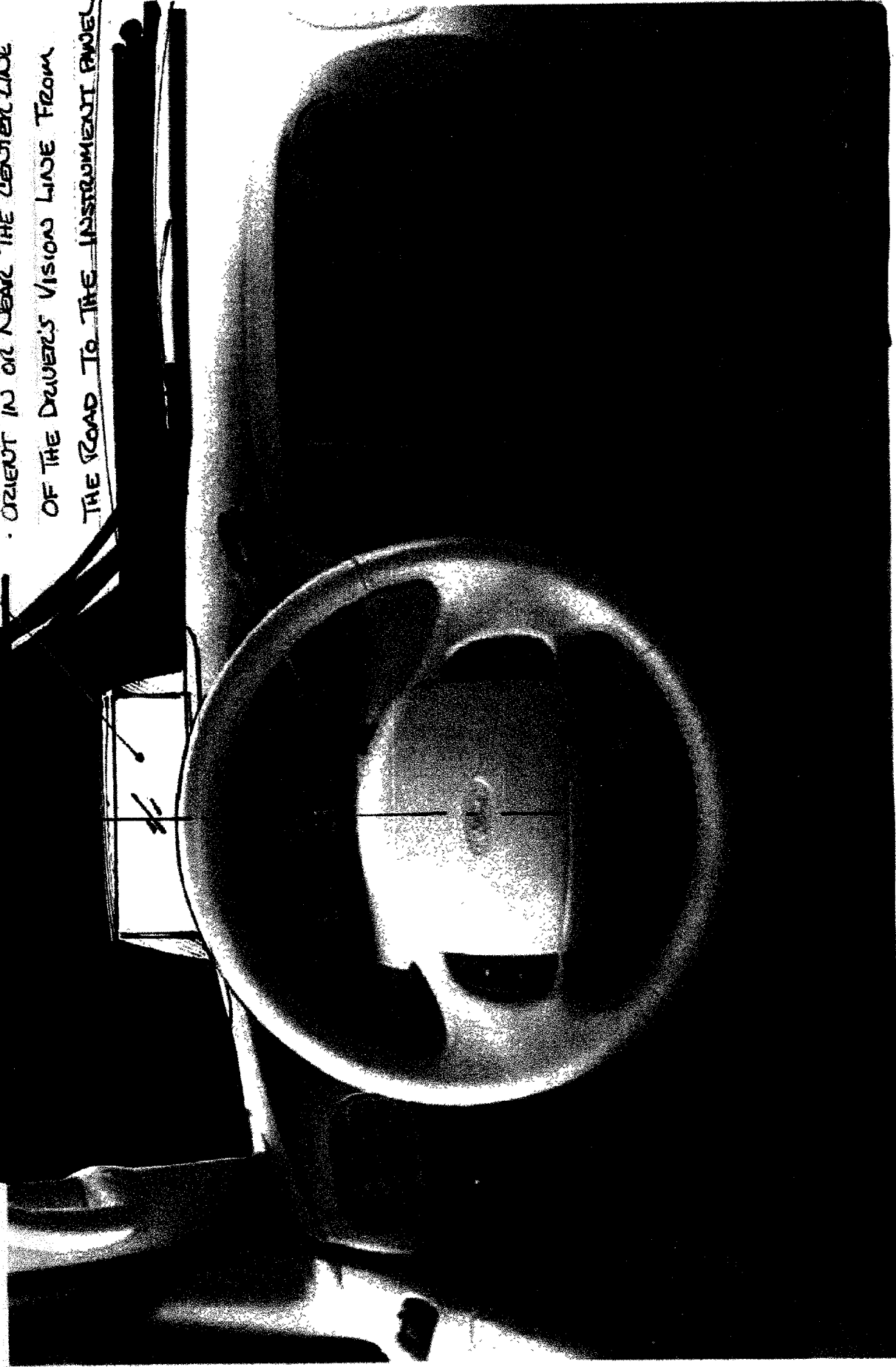
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FLS MONITOR POSITION - DRIVER

INSIDE DASH MOUNT - VARIOUS SIZES

9

- ORIENT IN OR NEAR THE CENTER LINE OF THE DRIVER'S VISION LINE FROM THE ROAD TO THE INSTRUMENT PANEL



VEHICLE SPECIFIC INSTALLATION SHOWN

MO. Sykes & Rosen Products 01.25.01

10

OPTIONAL PASSENGER - FILS MONITOR POSITION
OPT. WITH PRIVACY FILTER-FILM

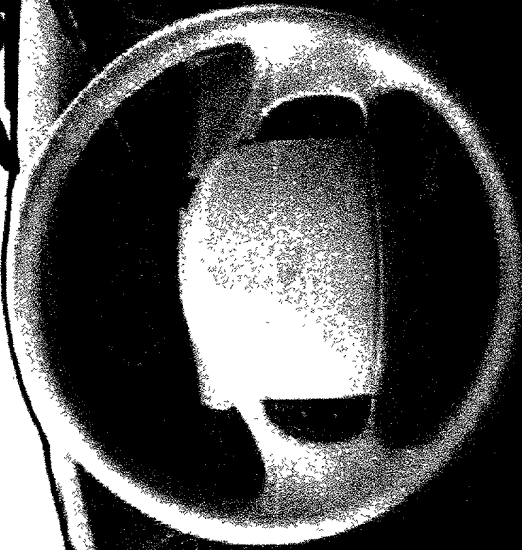
OPTIONAL PASSENGER - FILS MONITOR POSITION

ORIENTED FOR THE PASSENGER AS

A CO-PILOT

CAUTION: MOUNT AWAY FROM

AIRBAG DEPLOY REGIONS!

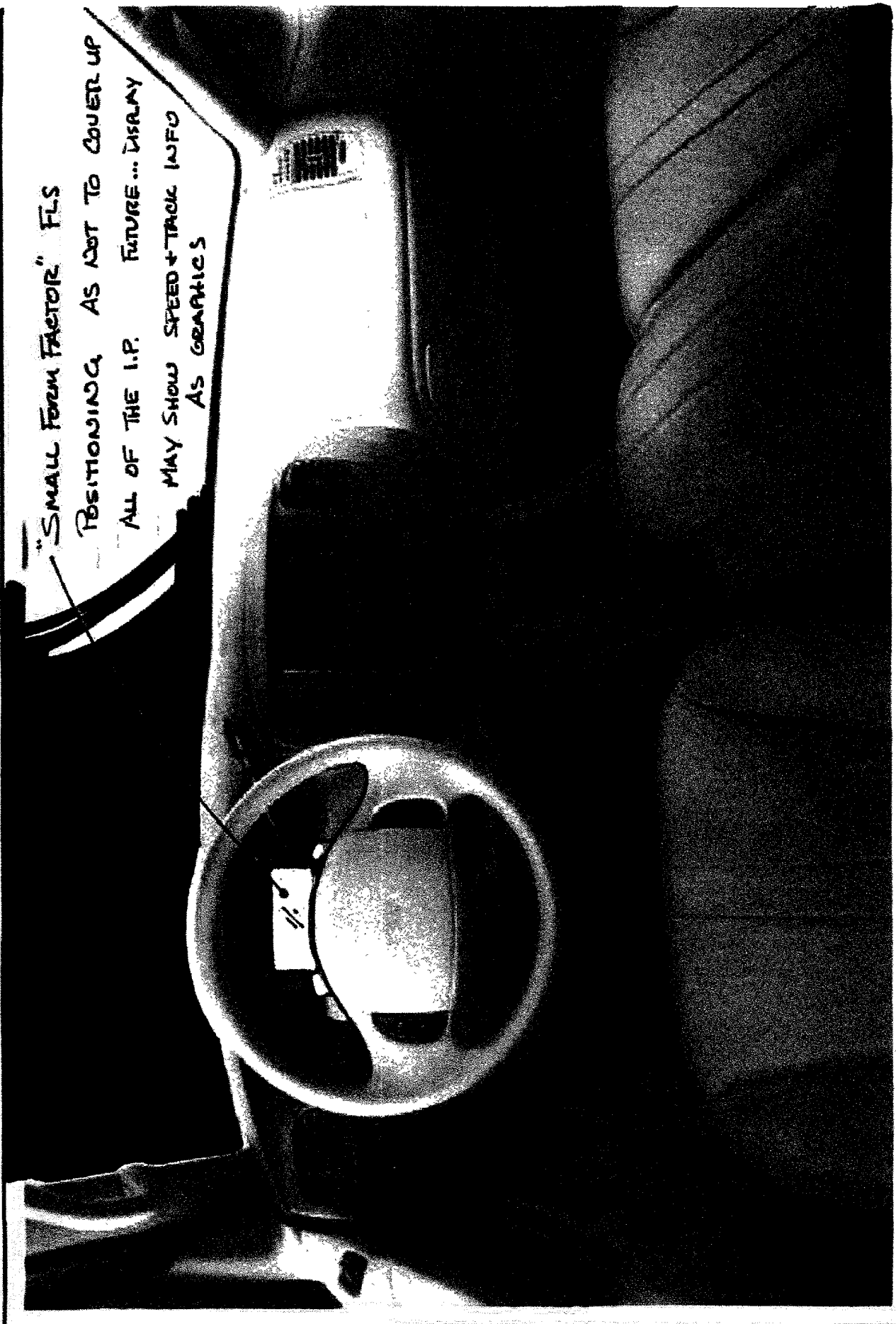


VEHICLE SPECIFIC SHOWN

M.O. Sykes & Raven Products 01.25.01

Small Form Factor FLS
Positioning AS NOT TO COVER UP
ALL OF THE I.P. FUTURE... DISPLAY
MAY SHOW SPEED + TRACK INFO
AS GRAPHICS

11



VEHICLE SPECIFIC SHOWN OR UNIVERSAL FPD M.D. Sykes © Bayou Products 01.28.01

"SMALL FORM FACTOR" FLS MONITOR ... FOR APPLICATIONS WHERE THE OPTIMUM

12

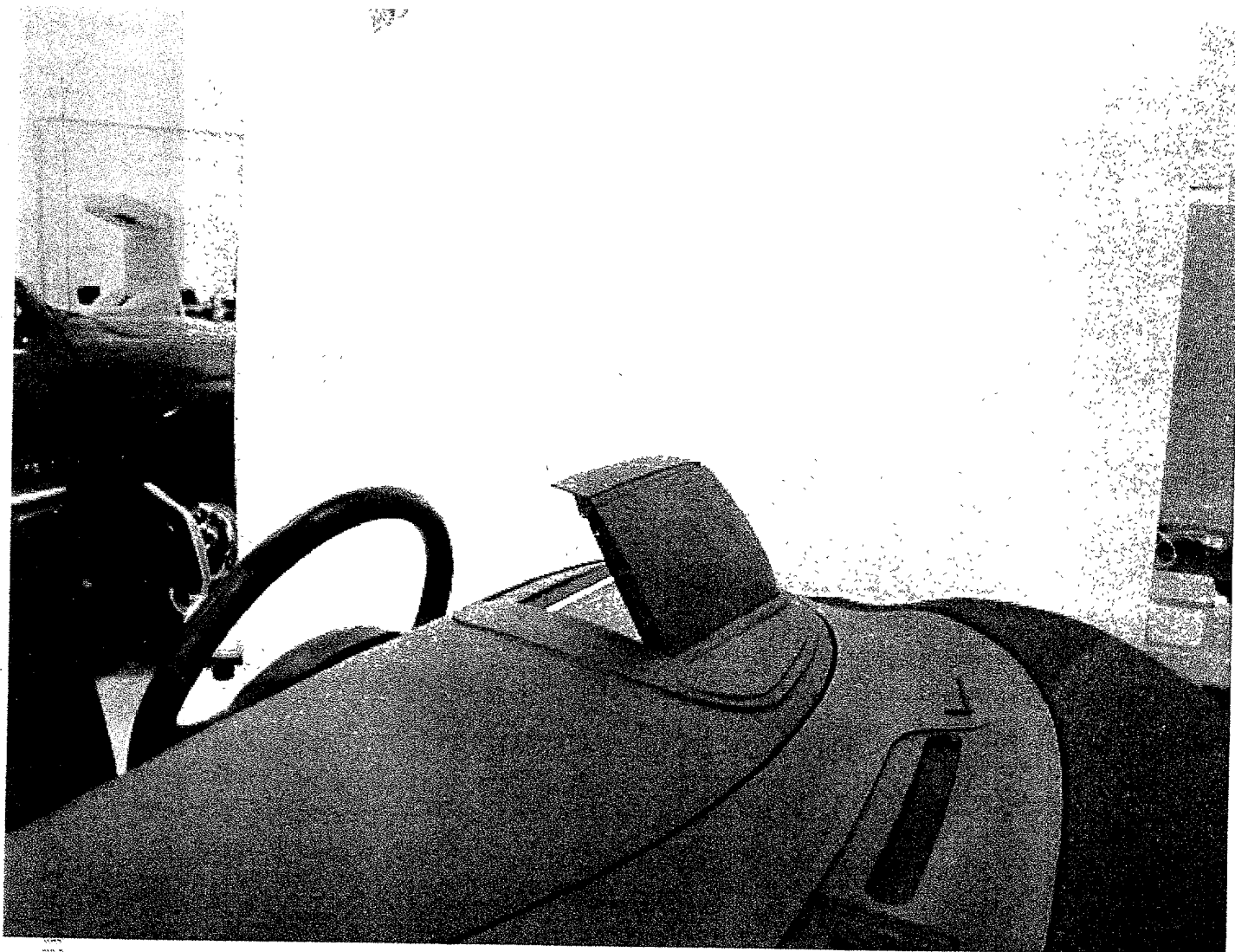
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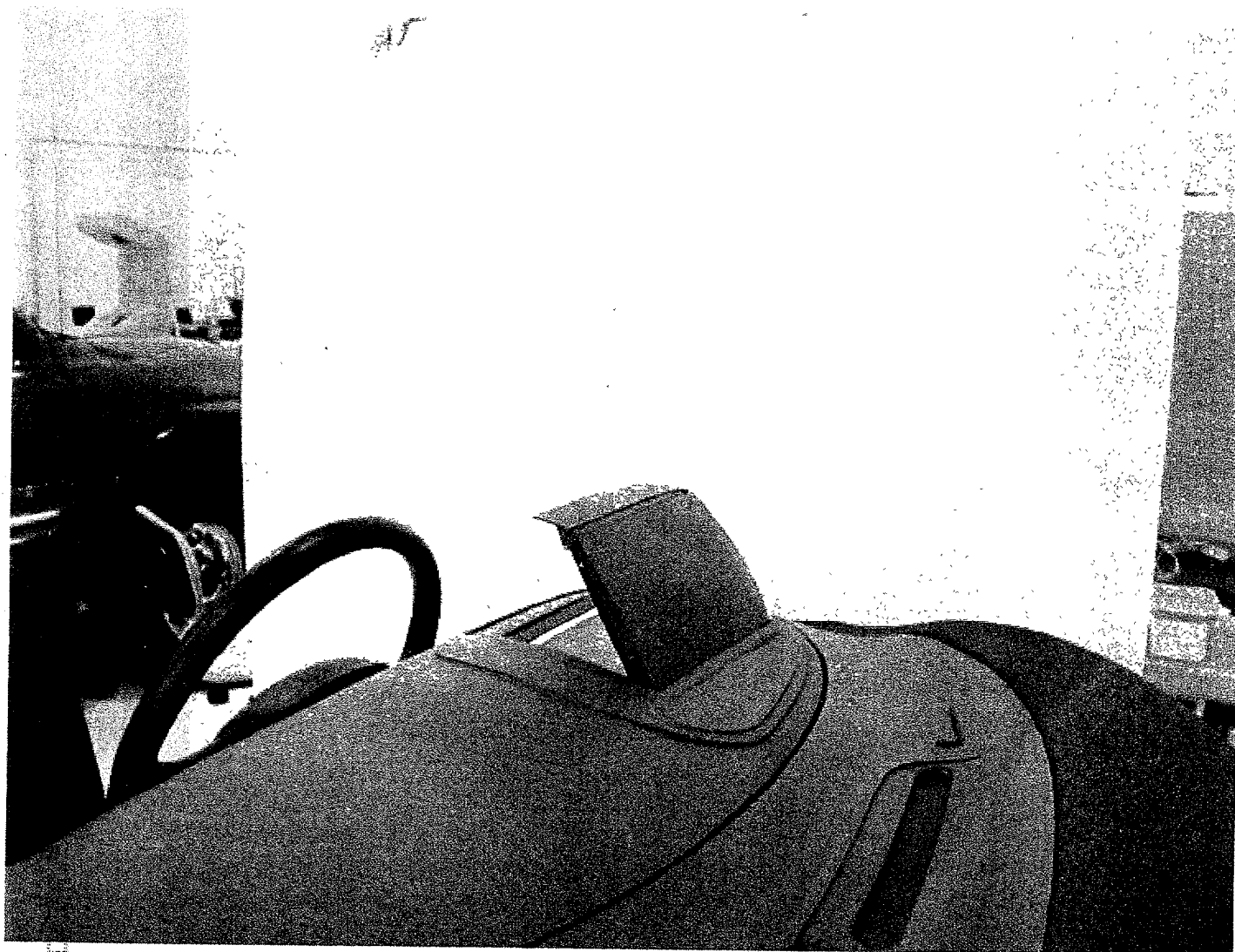
THE INSTRUMENT PANEL.

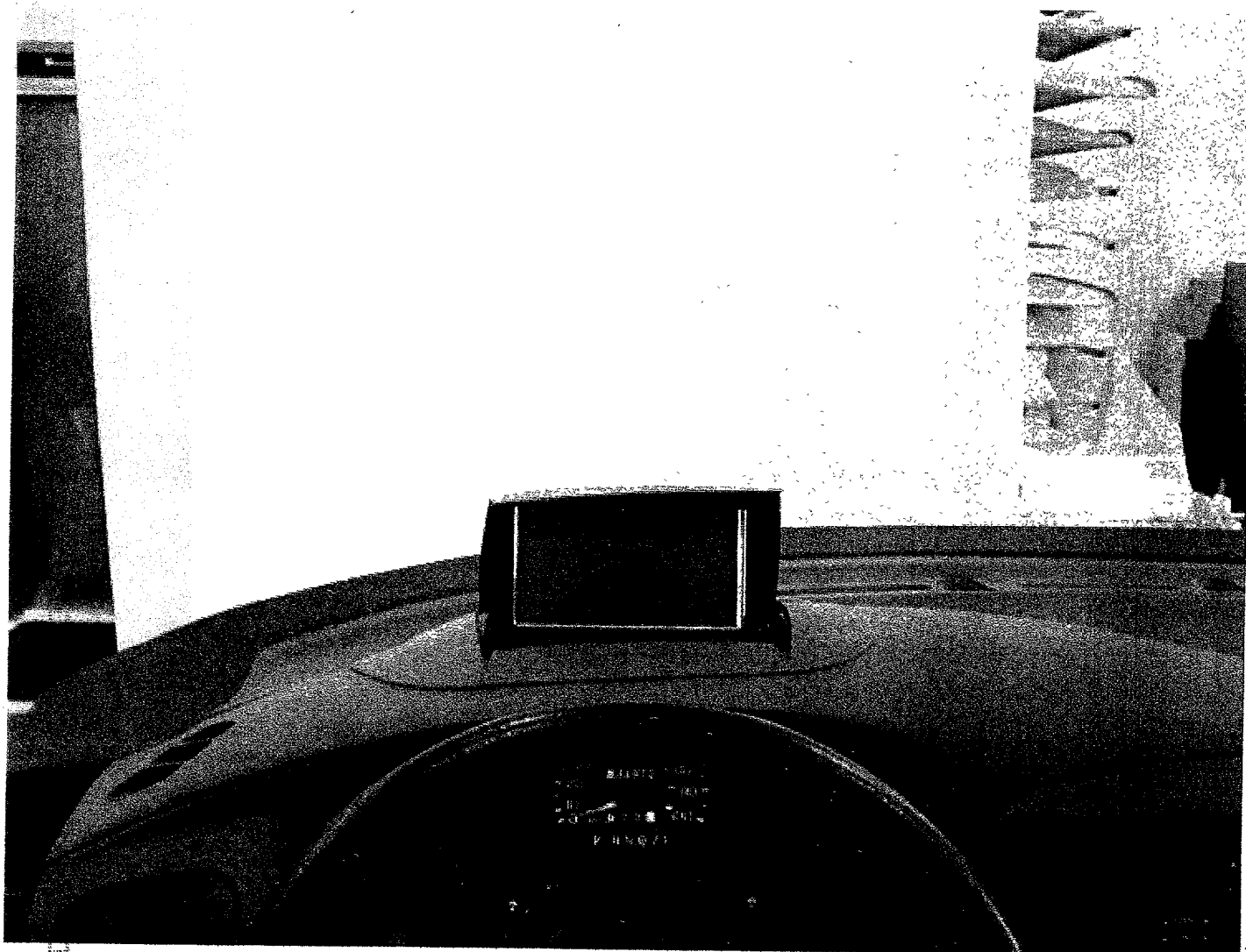
ONLY PARTIAL COVERAGE OF I.P.

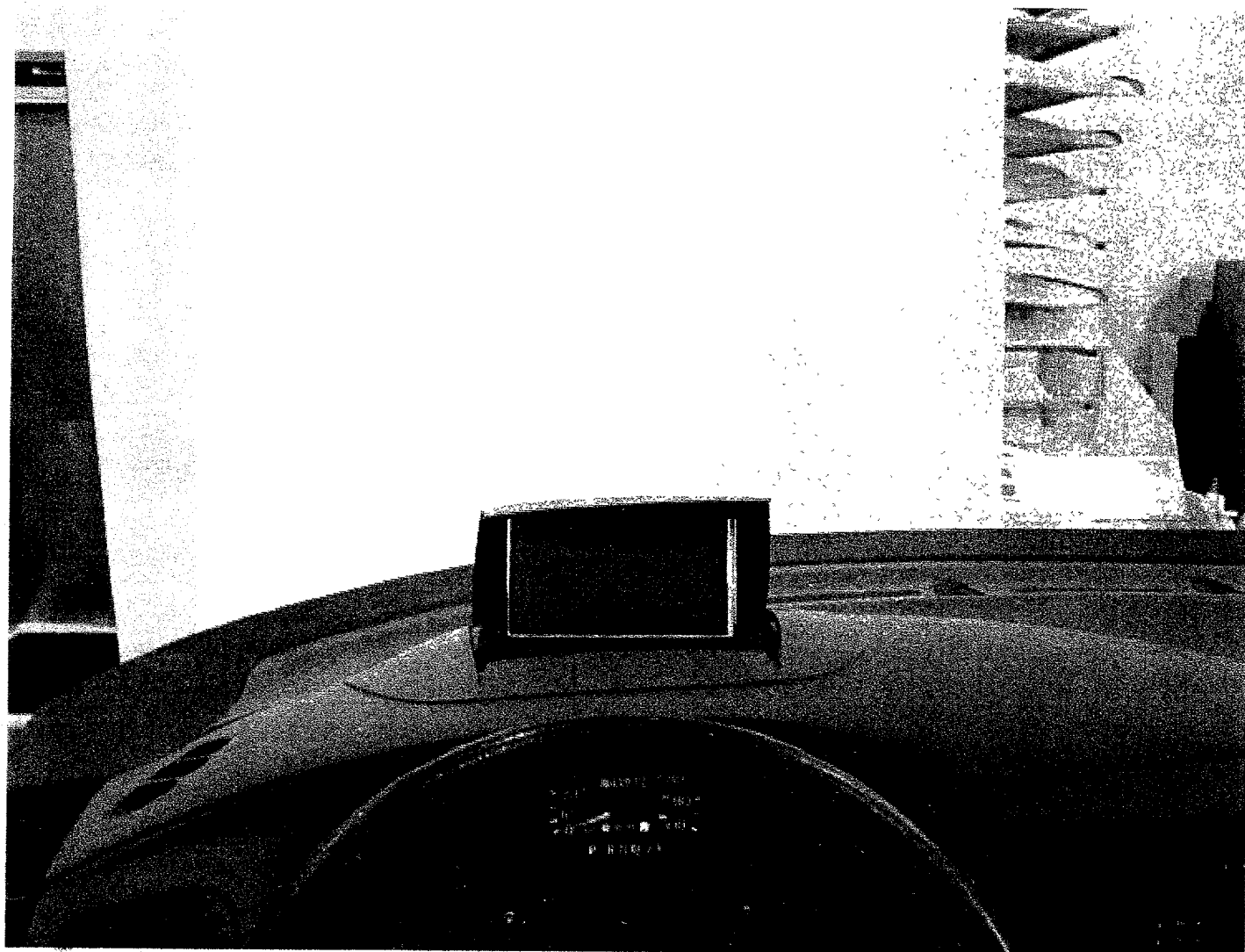


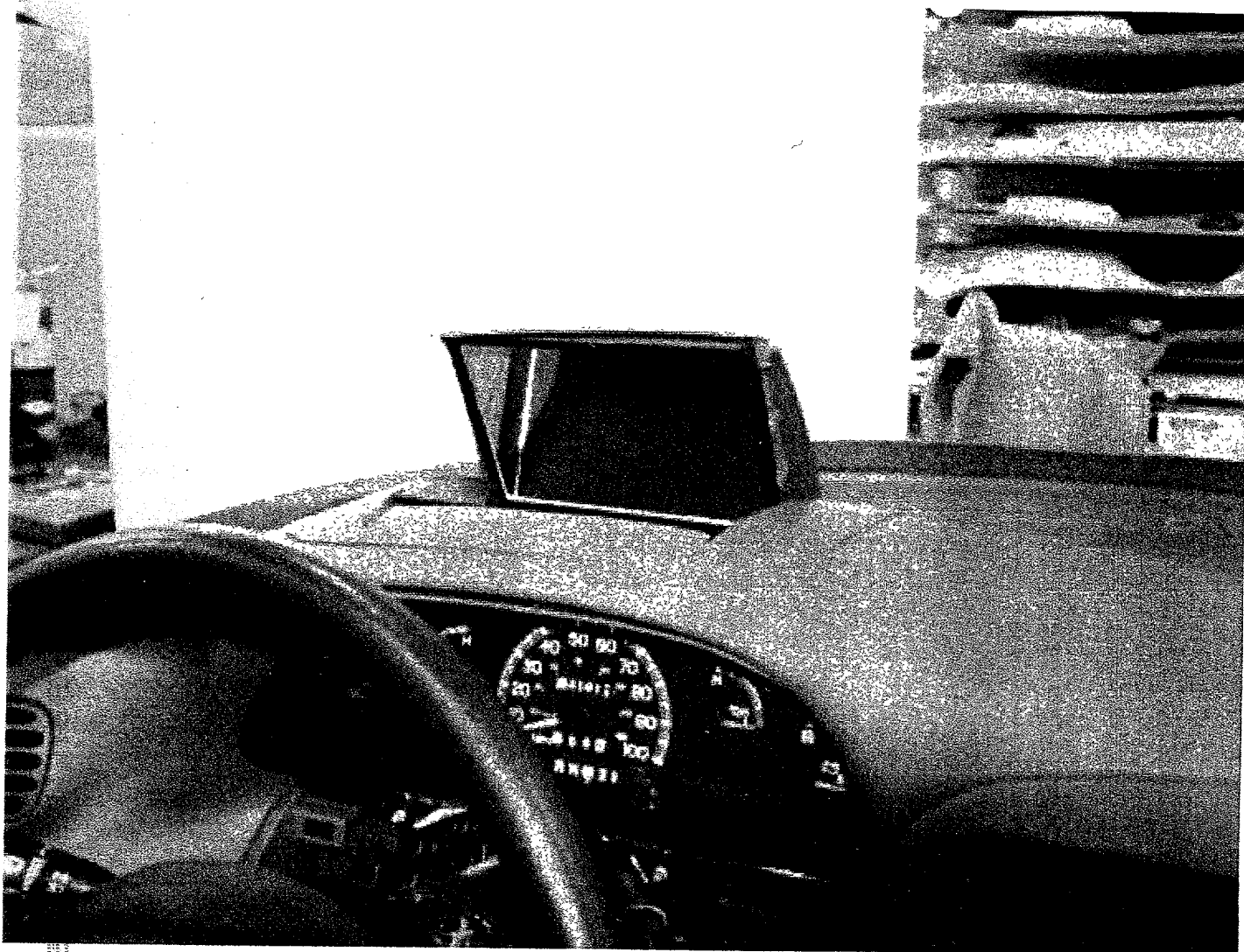
VEHICLE SPECIFIC SHOWN OR UNIVERSAL FOR M.A. Sykes & Co. Products 01.28.01

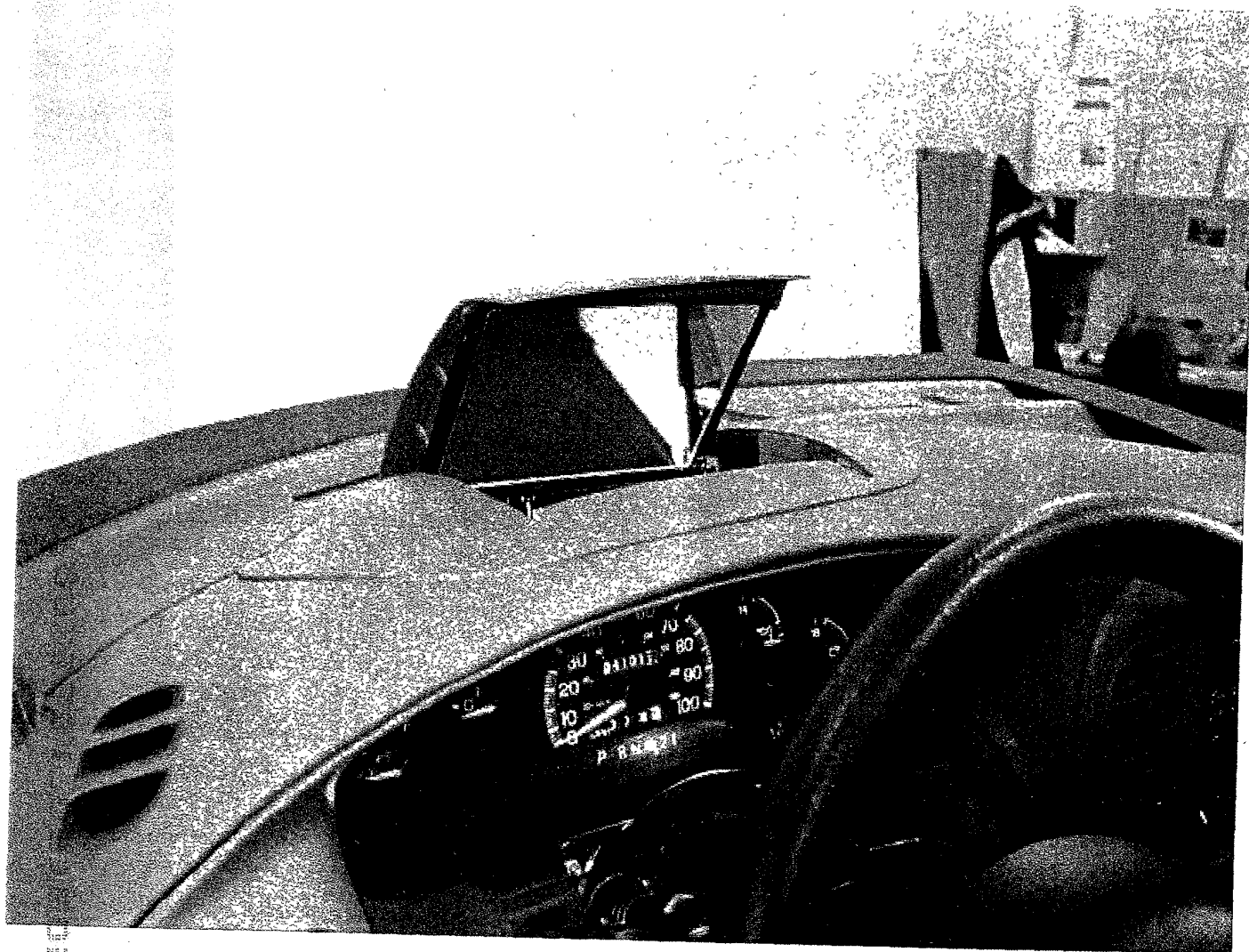


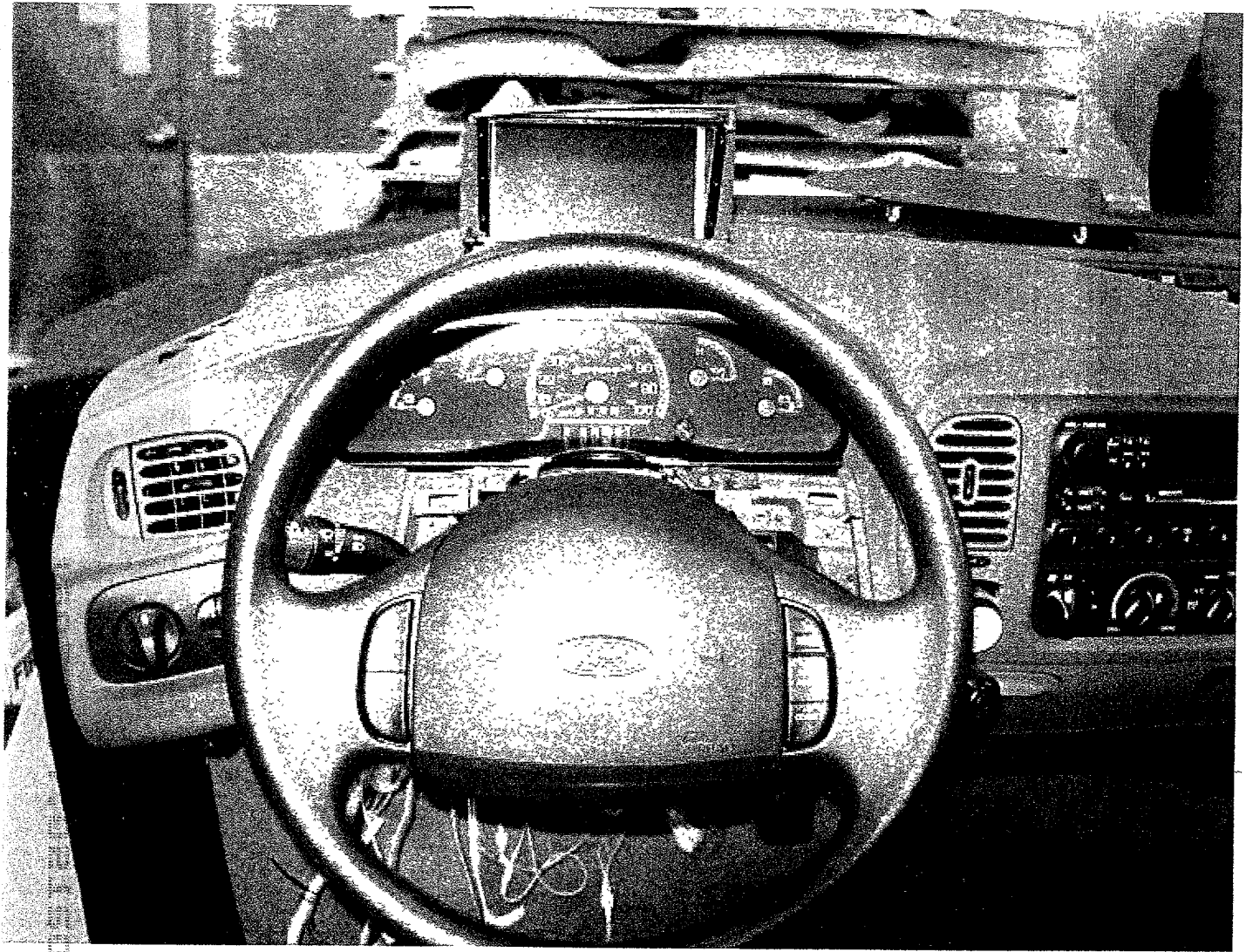


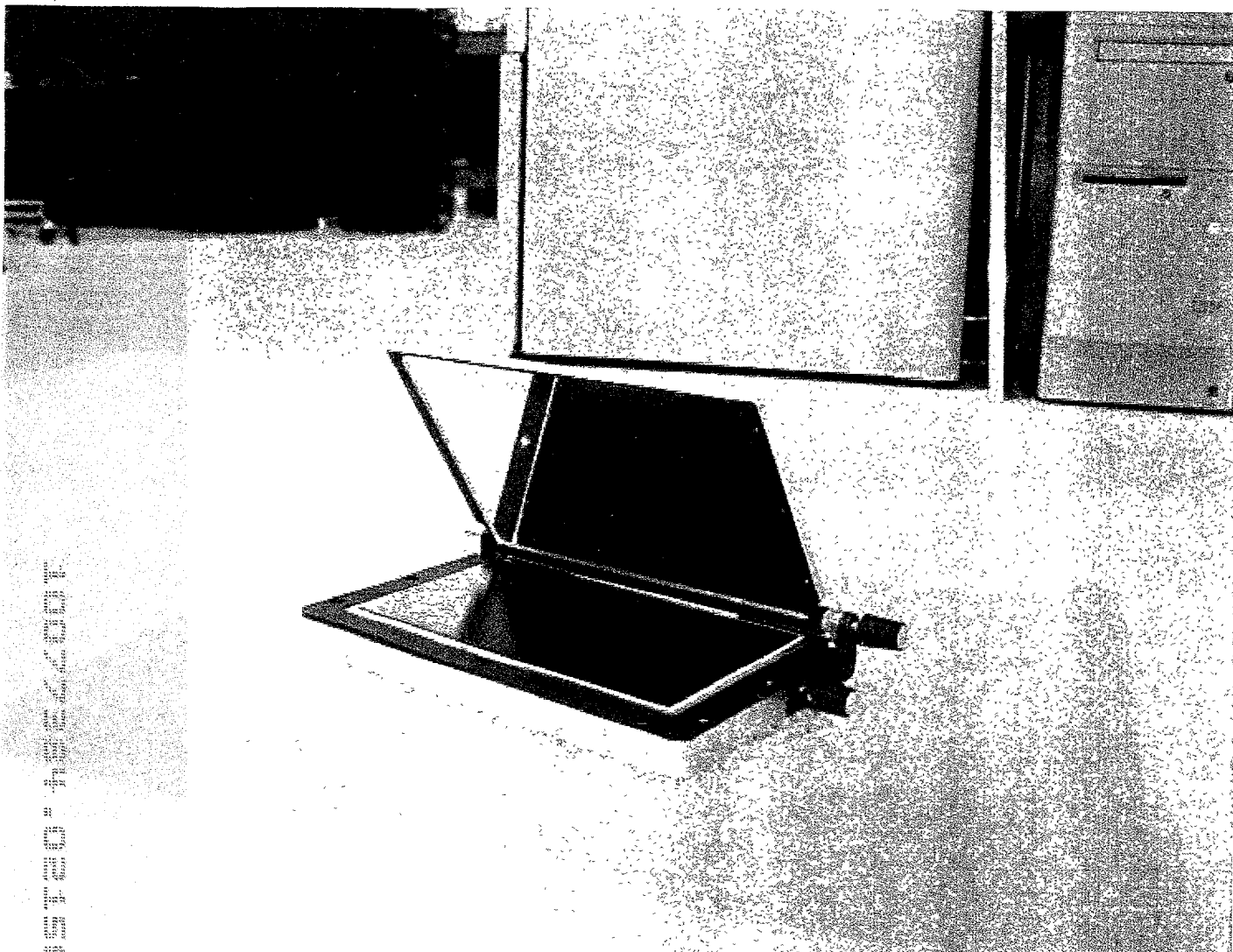


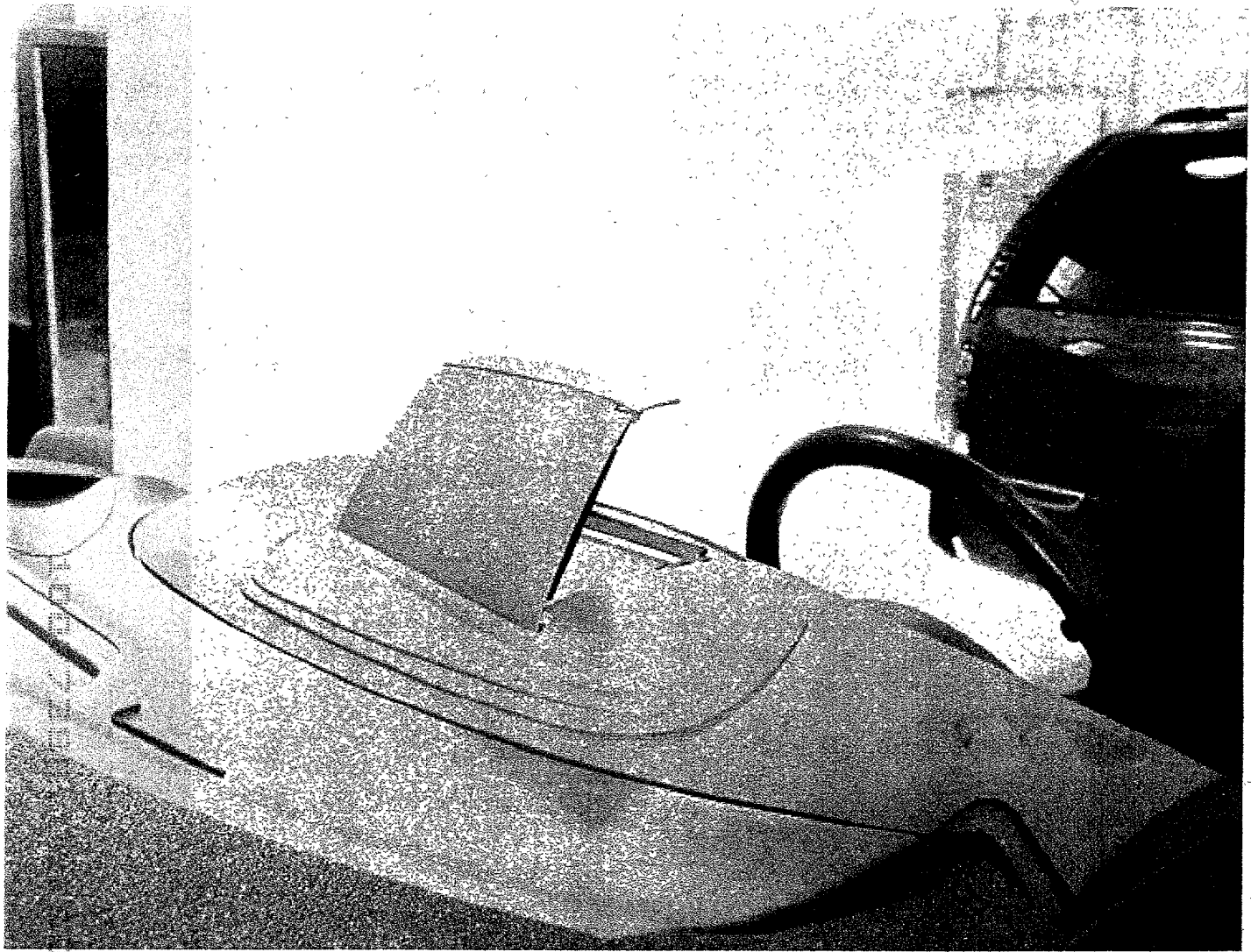


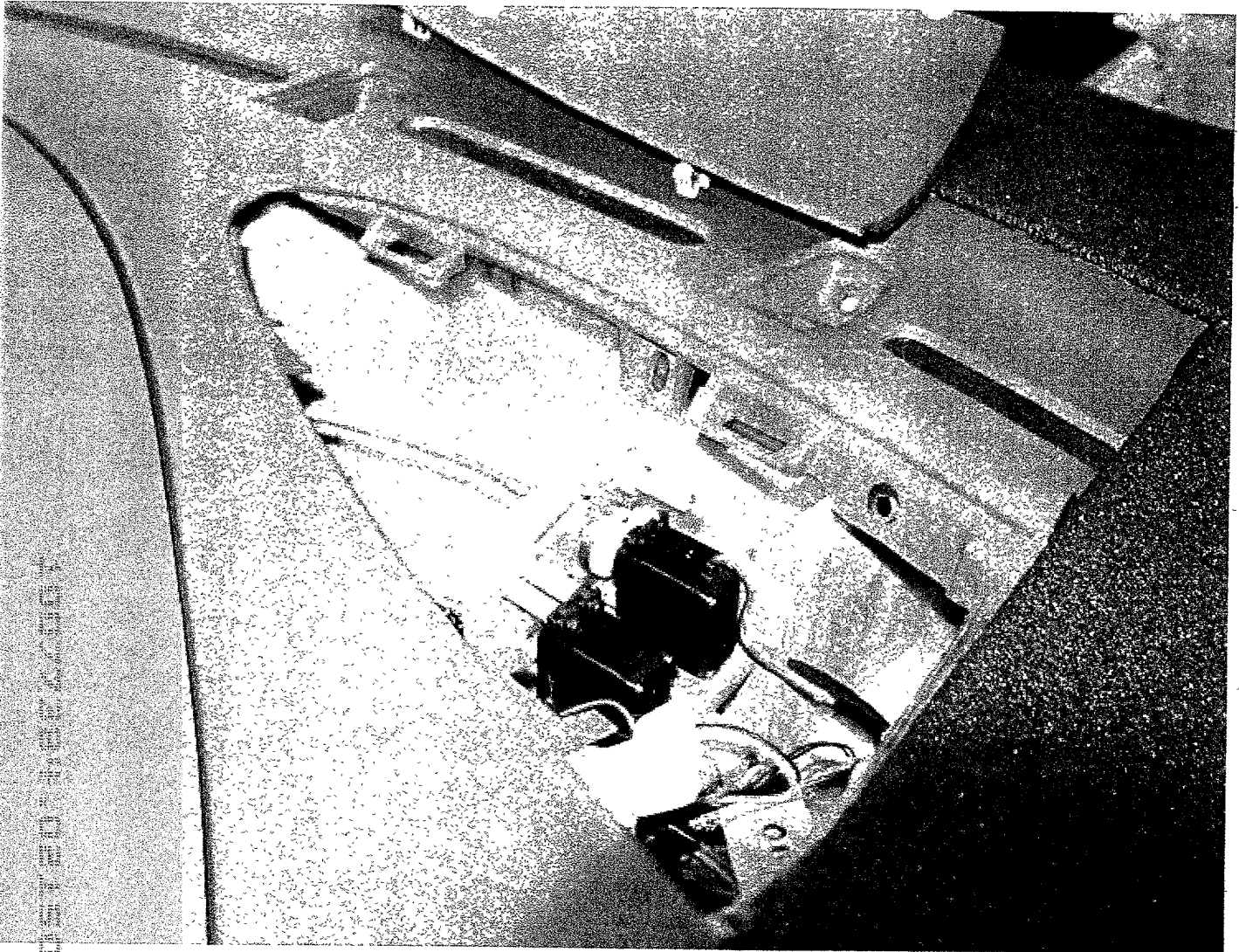


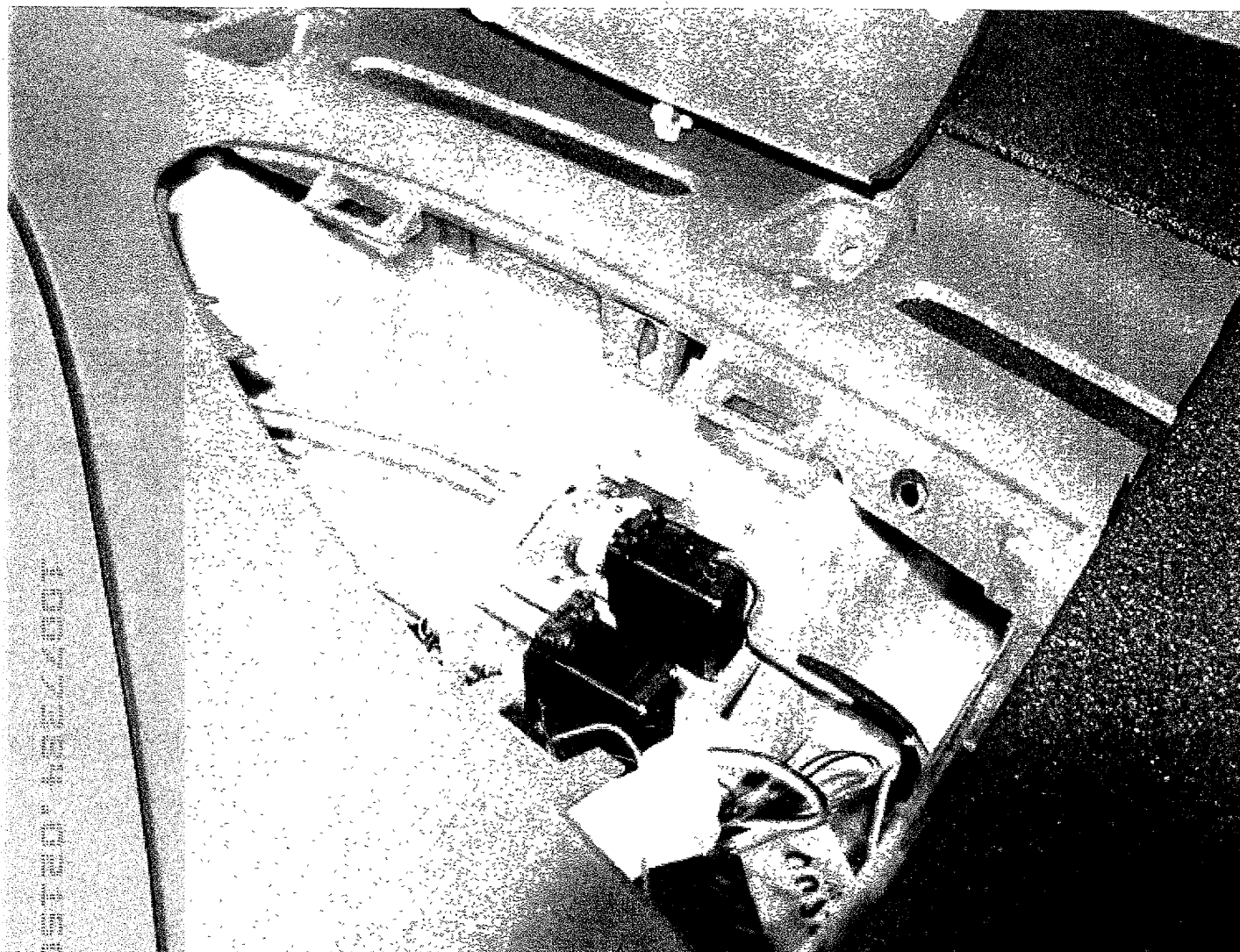


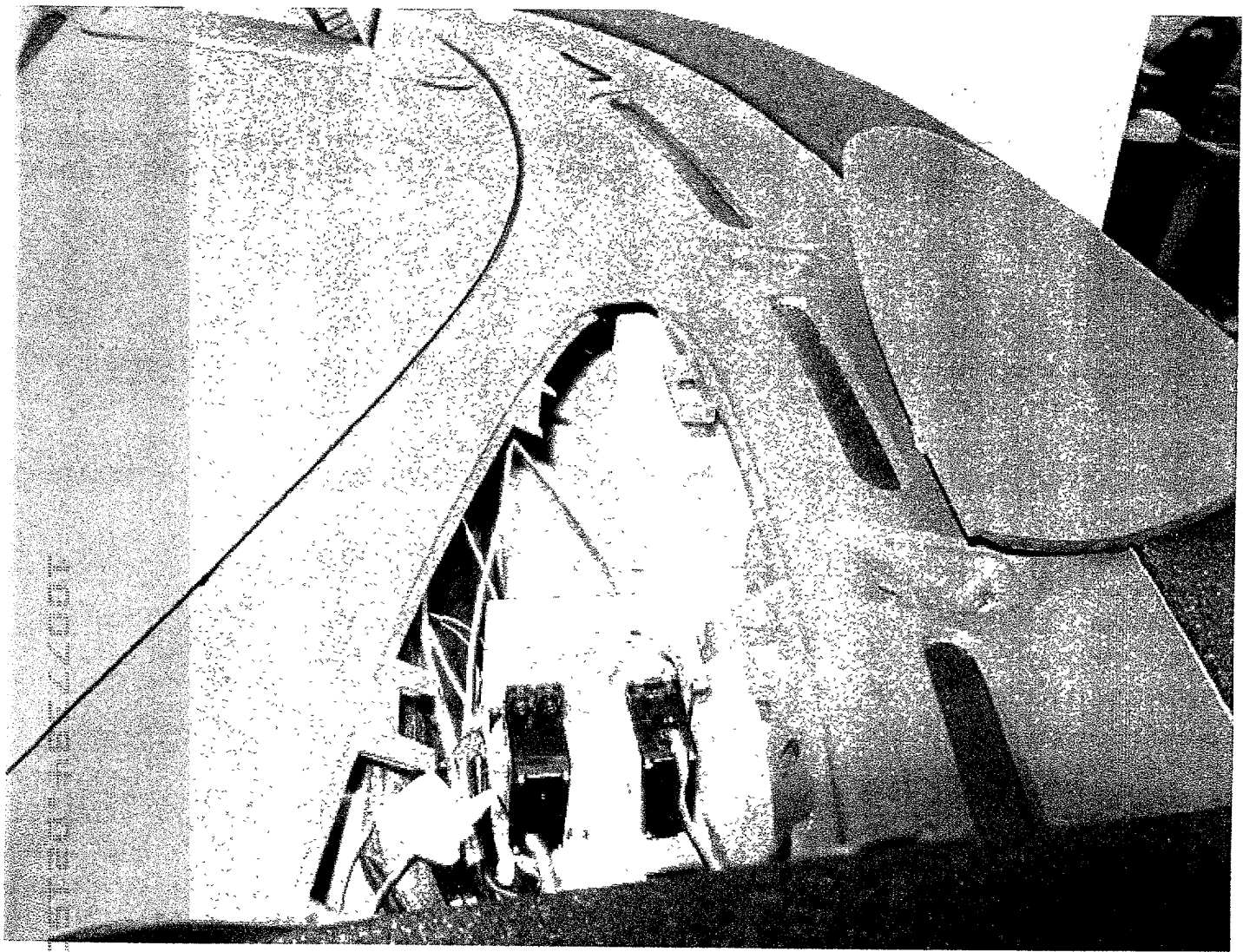










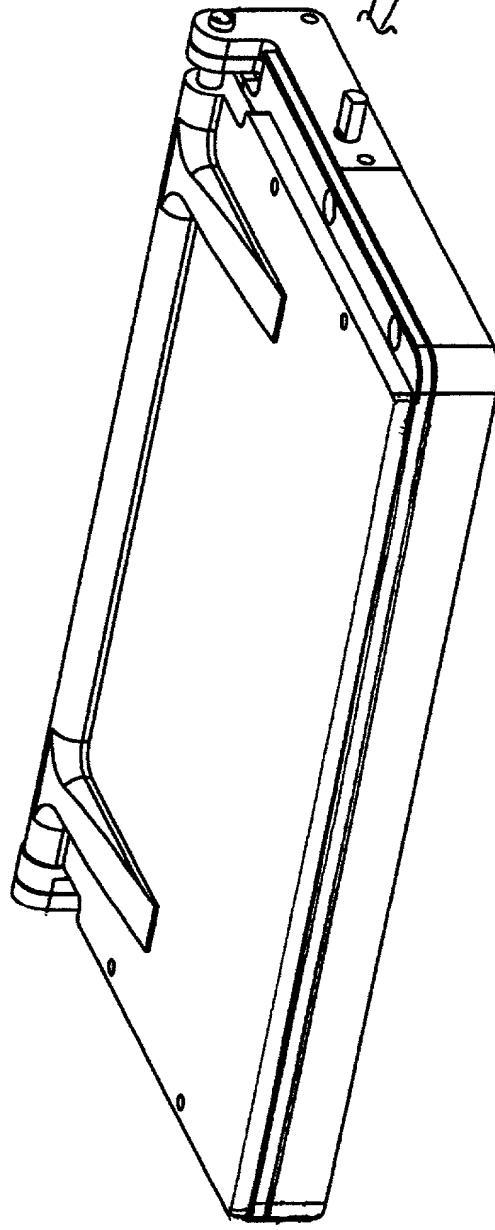




FLS MONITOR ... SMALL COMPACT CHASSIS ASSEMBLY WITH UNIVERSAL MULTI-APPLICATION DESIGN

FLS POD ... VEHICLE SPECIFIC INTEGRATIONS COMPONENTS DASH SHROUD, BASIN, COVER, HOOD (S)

1



ROSEN PRODUCTS FLS SYSTEMS

- MULTIPLE CAMERAS ... BLIND SPOTS, REAR VIEW, ETC. TRAILER VIEW
- GPS

INFRARED CAMERA (S)

- E-MAIL + WEB BROWSING

ENTERTAINMENT - INFOTAINMENT

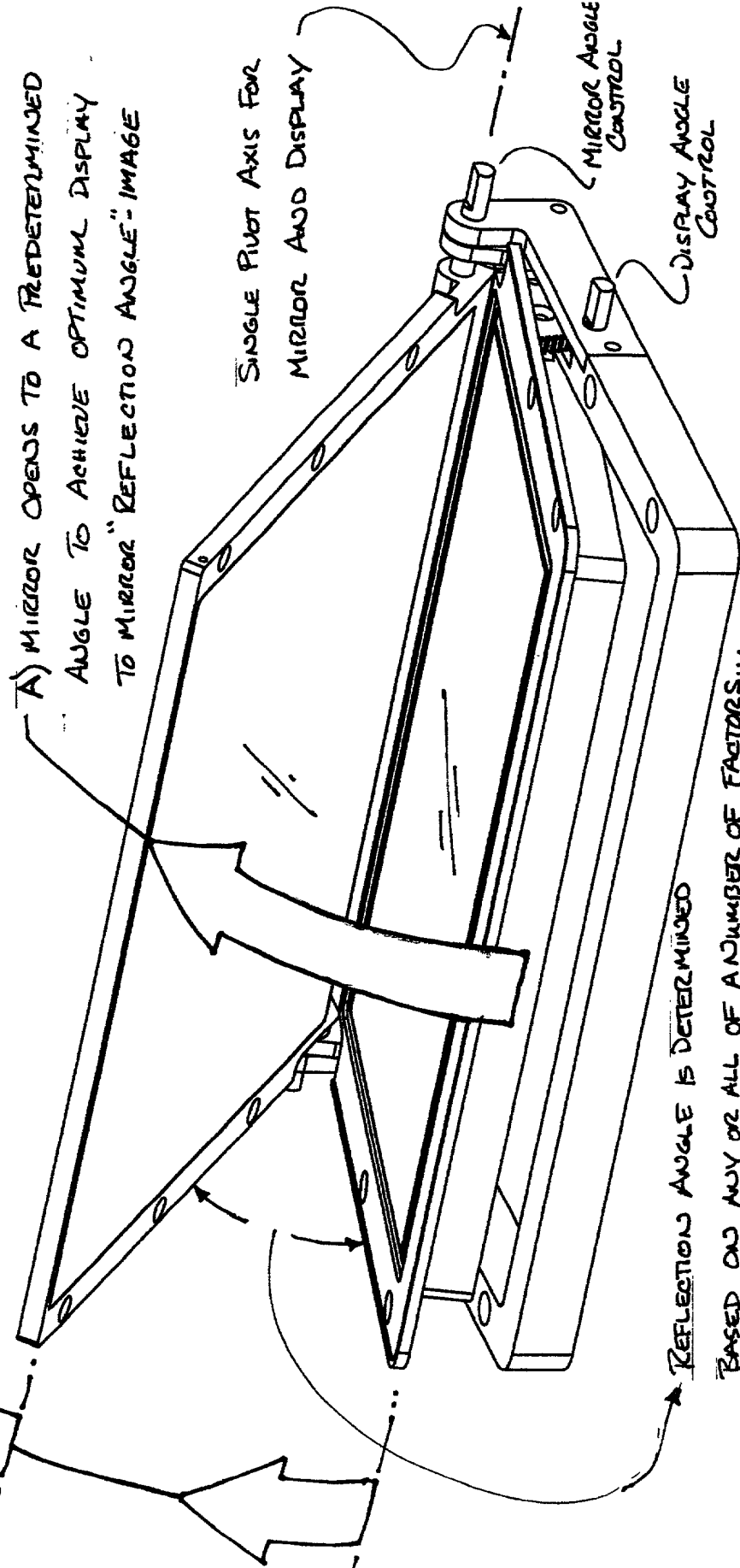
- IMAGE RECORDING
- ETC.

REMOTE DESIGN
MOTOR DRIVE
MANUAL DRIVE

o FLS MONITOR ... INTENT OF MOVEMENT(S) ... 2 STAGE TYPE

2

- B) ONCE MIRROR IS OPEN ... THE MIRROR AND THE DISPLAY ARE ADJUSTED AS A SUBASSEMBLY (CONSTANT-FIXED REFLECTION ANGLE) TO POSITION THE FLS MONITOR INTO THE OPTIMUM "VIEWING ANGLE" FOR ANY SPECIFIC DRIVERS (VIEWERS) EYE POSITIONS IN ANY TYPE OF APPLICATION



REFLECTION ANGLE IS DETERMINED

BASED ON ANY OR ALL OF A NUMBER OF FACTORS...

ORIENTATION POSITION RELATIVE

- DISPLAY TYPE, SIZE, QUALITY - MIRROR TYPE, SIZE, QUALITY, SHAPE, POSITION RELATIVE

TO THE DISPLAY - ANY LIGHT &/OR IMAGE ENHANCING FILMS USED

MR. Taylor & CONTROLLING

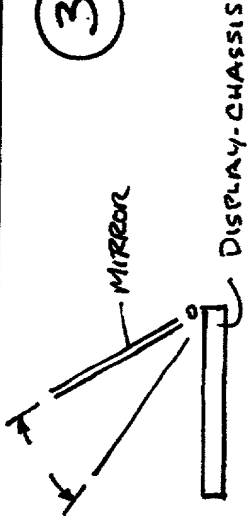
Rosen Products 01.29.01

FLS MONITOR ... MOVEMENT VARIATIONS

3

A) SIMPLEST DESIGN = FIXED DISPLAY WITH ADJUSTABLE MIRROR

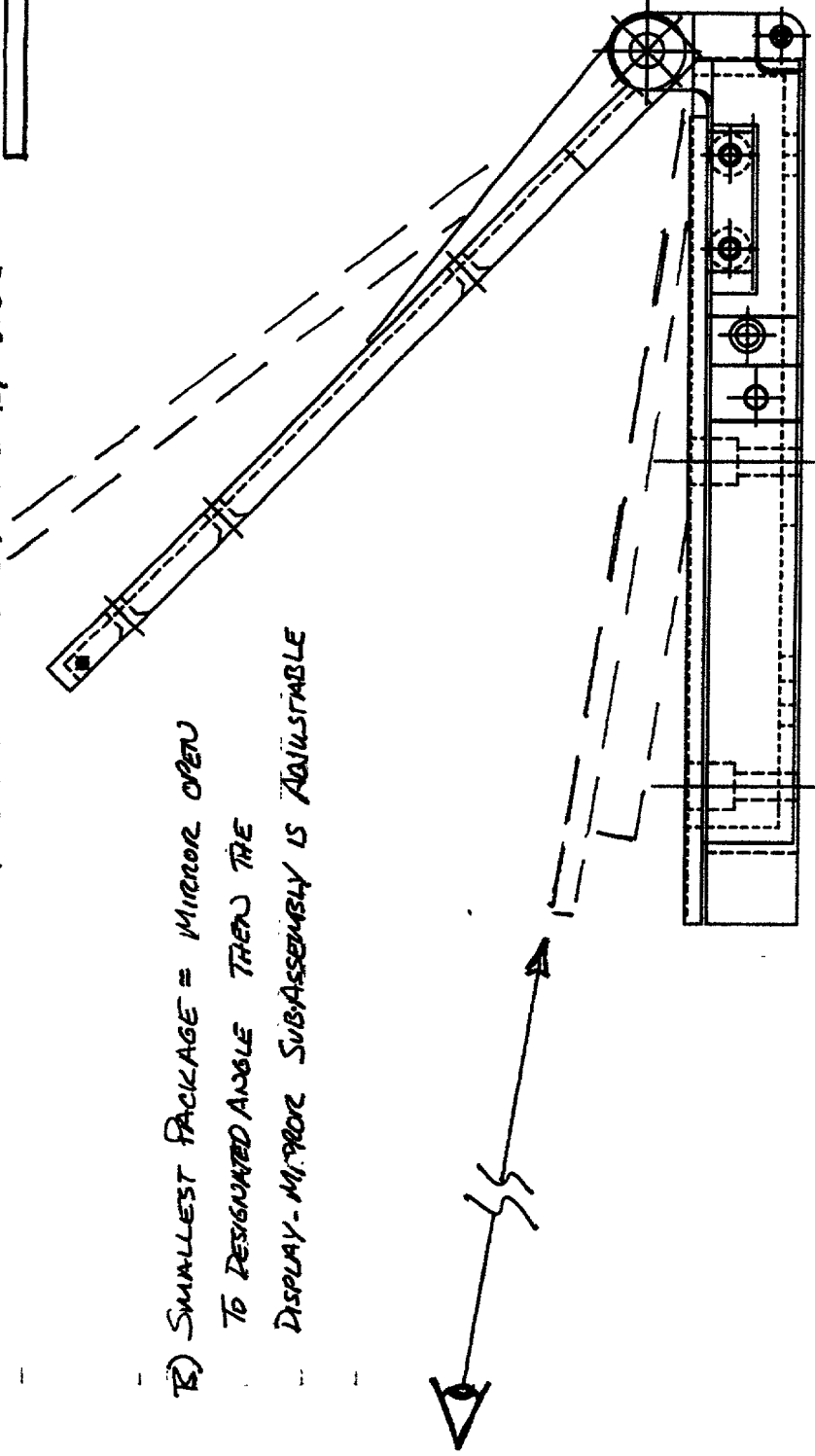
- MIRROR IS ADJUSTED FOR BEST VIEWING ANGLE BY USER



B) SMALLEST PACKAGE = MIRROR OPEN

TO DESIGNATED ANGLE THEN THE

DISPLAY-MIRROR SUBASSEMBLY IS ADJUSTABLE

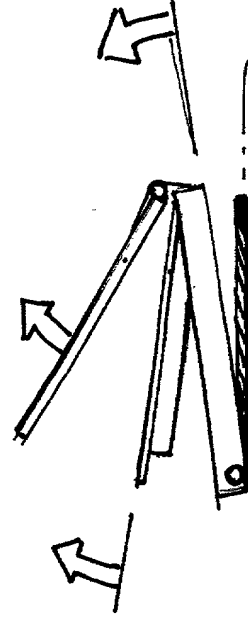


C) HIGH LIFT CHASSIS OPTION = MIRROR, DISPLAY, AND

CHASSIS ARE ADJUSTABLE TO HELP POSITION THE

MIRROR INTO THE OPTIMUM POSITION IN THE FIELD

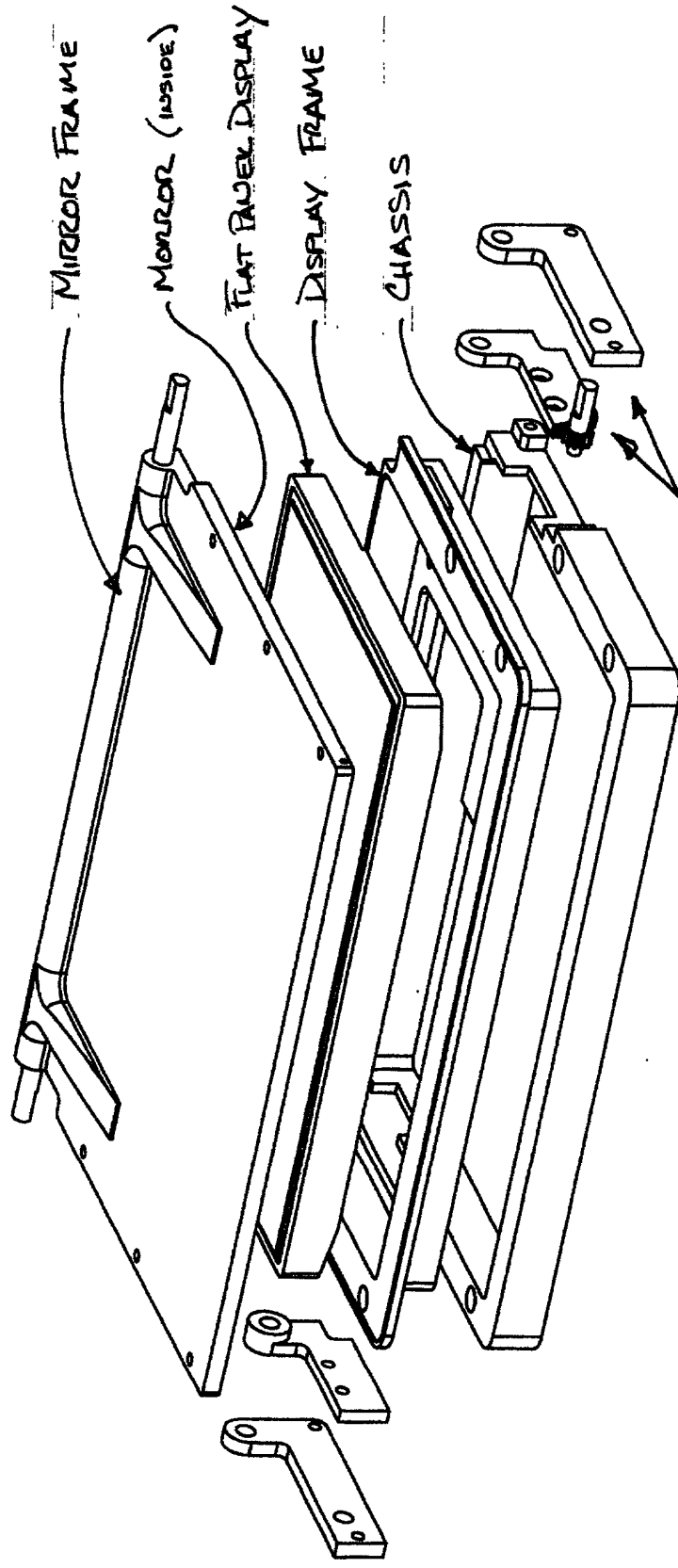
OF VIEW



4
O FLS (FORWARD LOOKING SAFETY) MONITOR ... 2 STAGE TYPE

2nd GENERATION DEVELOPMENTAL PROTOTYPE - CONCEPT MODEL

AS MACHINED AND ASSEMBLED 01.10.01 FOR CONTINUED DEVELOPMENT.



NOTE: ACTUAL DRIVE MECHANISM &/OR DRIVE TRAIN MECHANISM

MAY BE FULLY INTEGRATED INTO THE MONITOR, A COMBINATION

OF PART INTEGRATED AND PART REMOTE, OR COMPLETELY REMOTE.

THE DRIVE CAN BE ANY TYPE LIKE ... SPRING LOADED, ELECTRIC MOTOR,

PNEUMATIC, MANUAL ... BASED ON PRICE POINTS AND APPLICATION(S).

OUTBOARD DRIVE TRAIN FOR

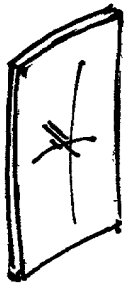
MIRROR + DISPLAY FRAME

ACTUATION

M.O. Sykes &
Rasen Products 01.29.01

NOTE: POSSIBLE MIRROR FACE CONTOURS STILL BEING RESEARCHED + DEVELOPED

5



CONCAVE



CONVEX



FLAT (CURRENT PHOTO)



FLAT TO CONVERGE



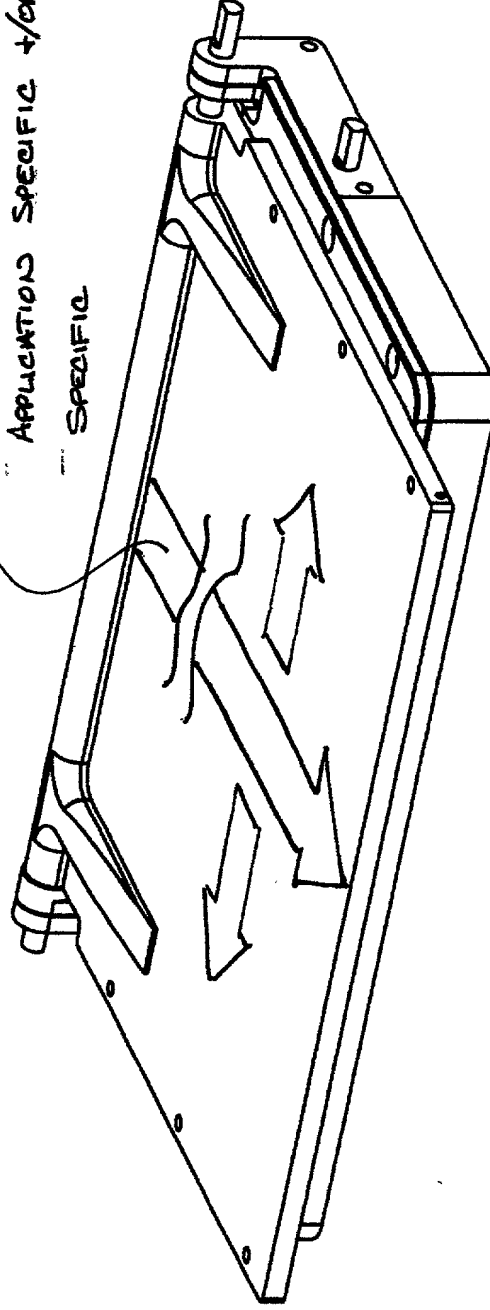
FLAT TO CONVEX

NOTE: ACTUAL MIRROR PERIMETER SHAPE MAY VARY AS WELL FOR UNIQUE APPLICATIONS - WITH OR WITHOUT A COMPLEX MIRROR FACE CONTOUR. TYPICAL GOAL IS TO END UP WITH A CLEAN + TRUE REFLECTIVE IMAGE



THE REASONING FOR EXPERIMENTING WITH MIRROR FACE CONTOURS WOULD BE TO SEE IF A LARGER MIRROR COULD BE USED WITH A SMALLER DISPLAY.

MIRROR SIZE AND SHAPE MAY BE APPLICATION SPECIFIC +/OR IMAGE SPECIFIC



OFLS MONITOR ... MIRROR VARIATIONS THAT MAY BE POSSIBLE

W.C. Suter © Reim Products 01.29.01

6

o FLS PED ... Hood, Shroud, Cover, Basin (SHROUD MAY HAVE INTEGRATED BASIN, TOO)

CHALLENGES - POSITIONING ... CLOSED + OPEN

- MOUNTING

- ARTICULATION + CLEARANCE(S)

Hood (ARTICULATED)

COVER

"FIXED COVER" WITH

SINGLE FOOT SHOW

AND APPLIED TO 01.10.01 MODEL

SHROUD

SHROUD

SHROUD BASIN

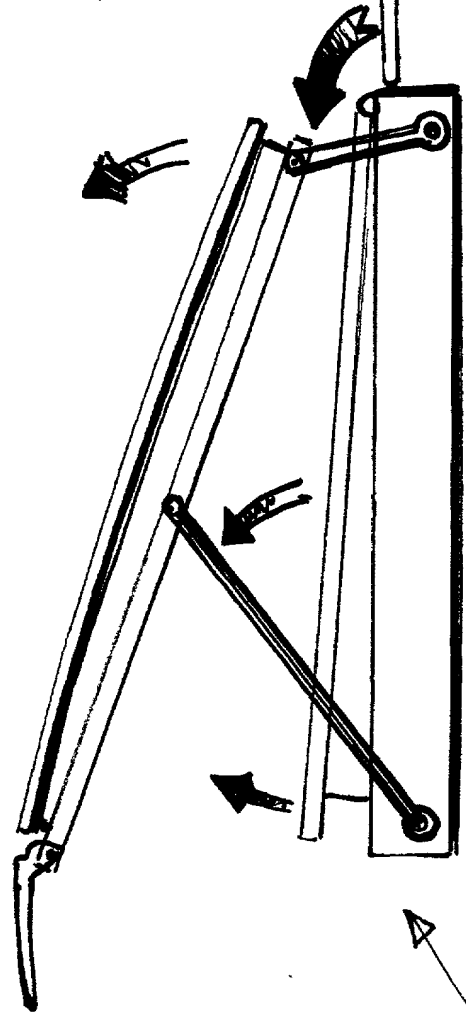
W.A. Sykes & Rosen Products 01.28.01

[illegible][illegible][illegible][illegible]

o FLS ... POTENTIAL MULTI-LINK COMPONENT ORIENTATION TO BETTER FIT VEHICLE SPECIFIC APPLICATIONS

8

SINGLE PIVOT DISPLAY + MIRROR WITH MULTI-LINK
COVER ARTICULATION



SINGLE PIVOT DISPLAY WITH MULTI-LINK MIRROR - COVER LIFT

UNEVEN STATE MULTI-LINK MIRROR + COVER ARTICULATION



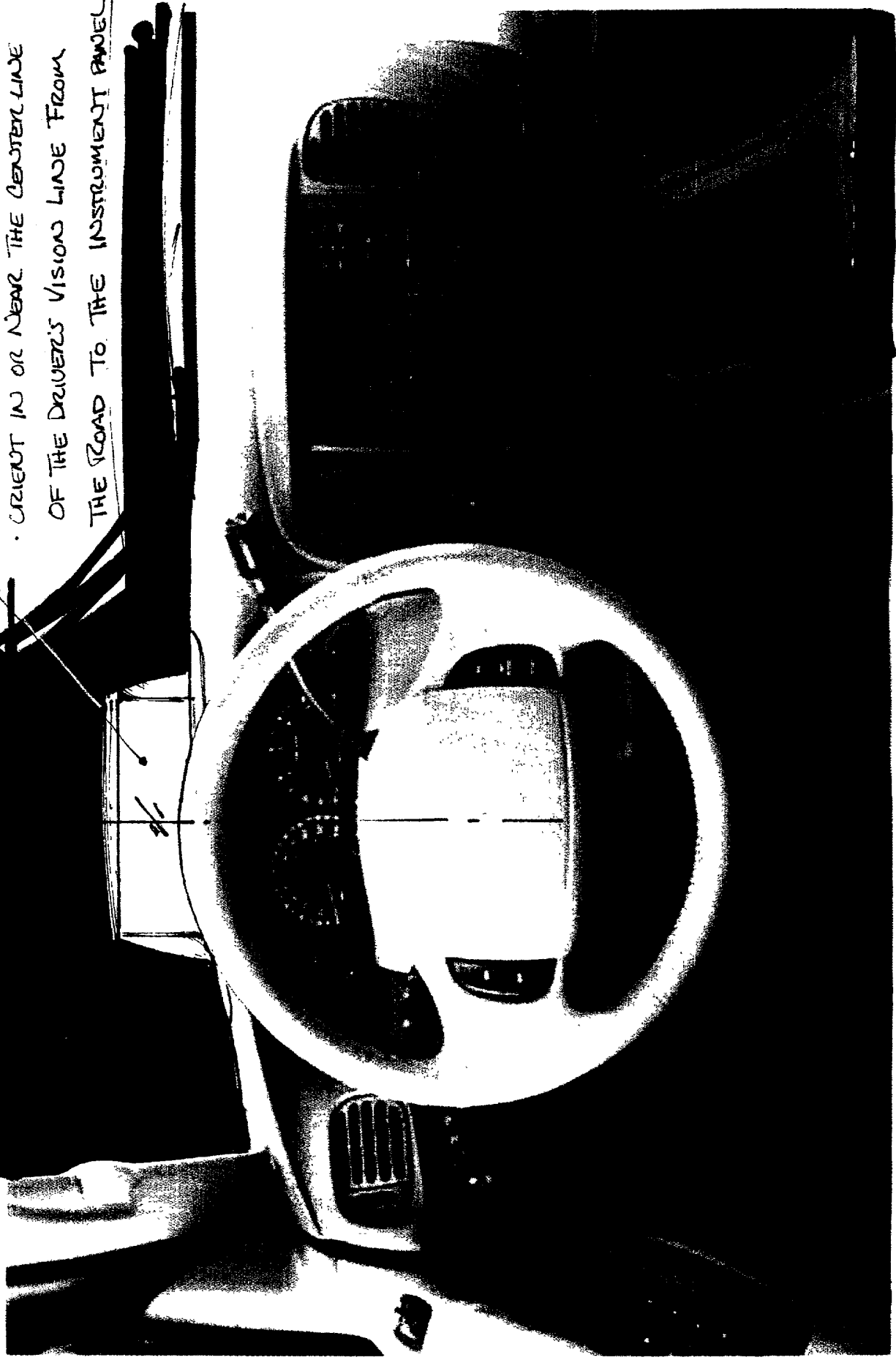
Mo. Sykes & Kasey Products 01-28-01

FLS MONITOR POSITION - DRIVER

FLS MONITOR POSITION - DRIVER

9

INLINE LASH MOUNT - VARIOUS SIZES

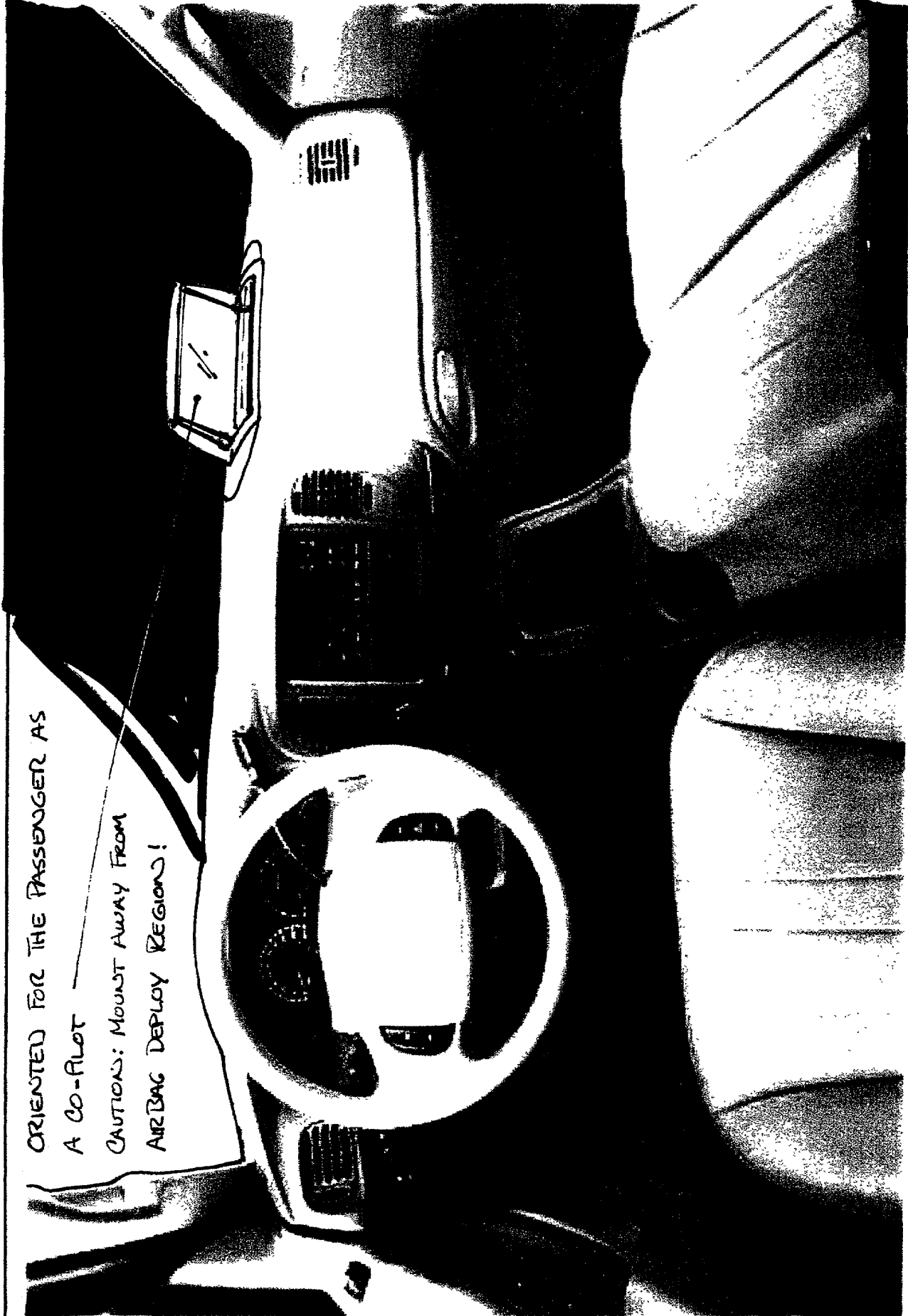


• ORIENT IN OR NEAR THE CENTER LINE
OF THE DRIVER'S VISION LINE FROM
THE ROAD TO THE INSTRUMENT PANEL

VEHICLE SPECIFIC INSTALLATION SHOWN

MR. Snyder & Rosen Products 01.29.01

ORIENTED FOR THE PASSENGER AS
A CO-PILOT
CAUTION: MOUNT AWAY FROM
AIRBAG DEPLOY REGIONS!



"SMALL FORM FACTOR" FLS

POSITIONING AS NOT TO COVER UP
ALL OF THE I.P. FUTURE... DISPLAY
MAY SHOW SPEED + TRACK INFO
AS GRAPHICS



VEHICLE SPECIFIC SHOWN OR UNIVERSAL FND

M.D. Sykes © Rosen Products 01.28.01

"SMALL FORM FACTOR" FLS MONITOR... FOR APPLICATIONS WHERE THE OPTIMUM

12

LOCATION IS IN FRONT OF
THE INSTRUMENT PANEL.
ONLY PARTIAL COVERAGE OF I.P.

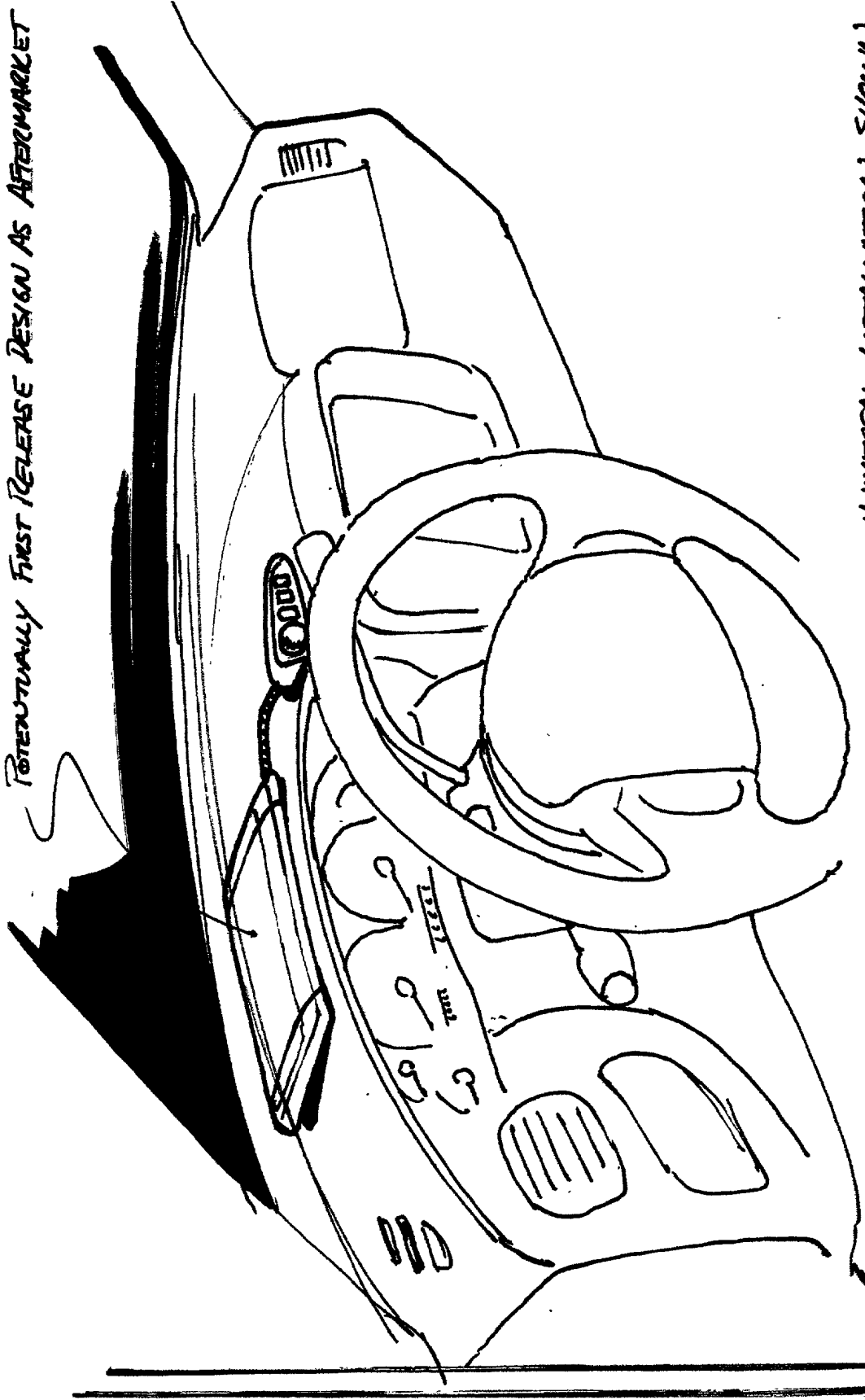


VEHICLE SPECIFIC SHOWN OR UNIVERSAL POD M.A. Sykes & Kosen Products 01.29.01

13
O FLS Monitor And Control Pods... Show As Surface Mount - "Universal"

NOTE: THE EXTRA CONTROL-DRIVE MECHANISM + P.C. BOARDS CAN BE MOUNTED AS ITS OWN POD REMOTELY UNDER THE DASH

POTENTIALLY FIRST RELEASE DESIGN AS AFTERMARKET

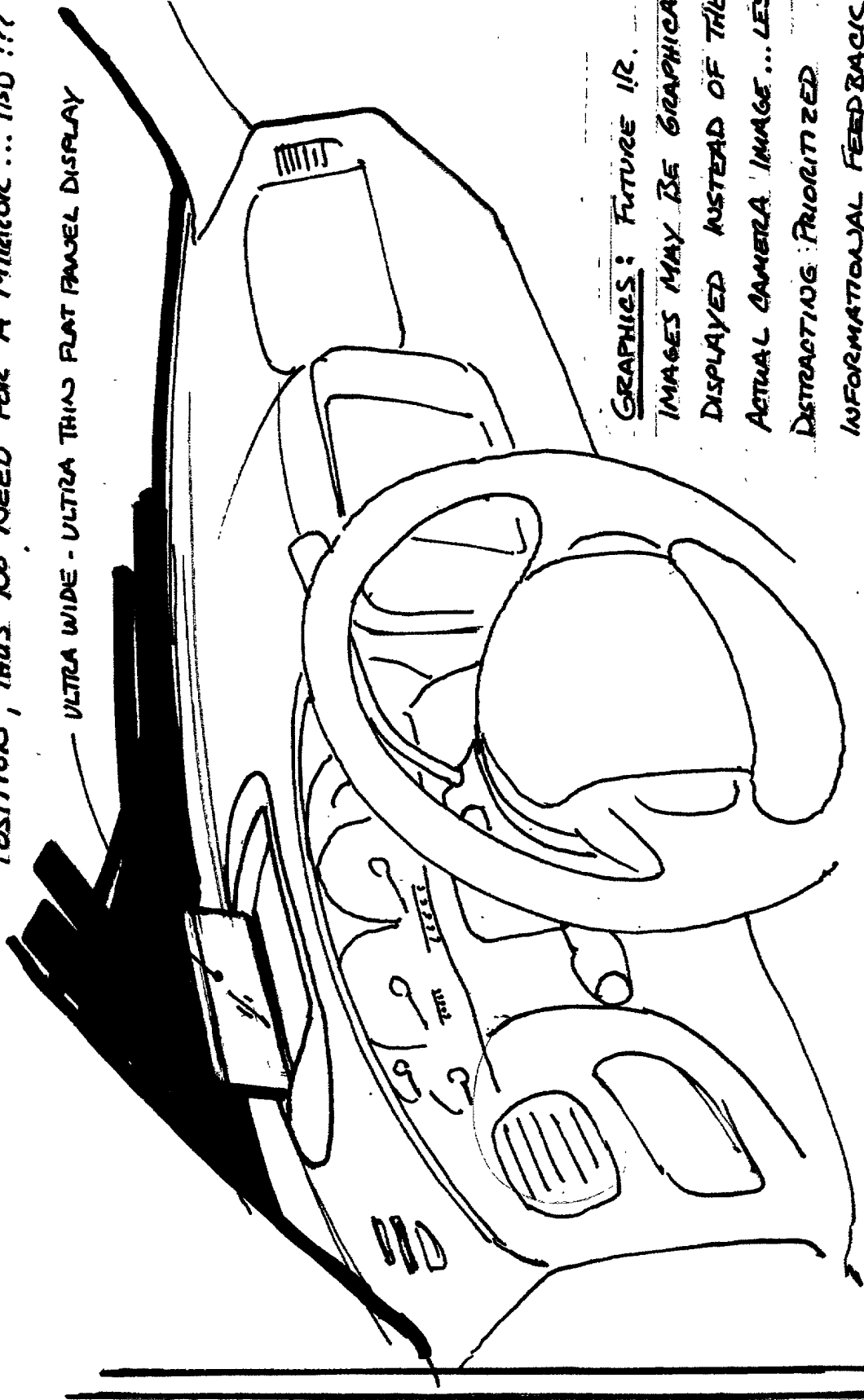


UNIVERSAL INSTALLATION SHOWN
M.D. Sykes © Rose Products 01.29.01

14
● A LOOK INTO THE FUTURE — ADDITIONAL PATENT ???

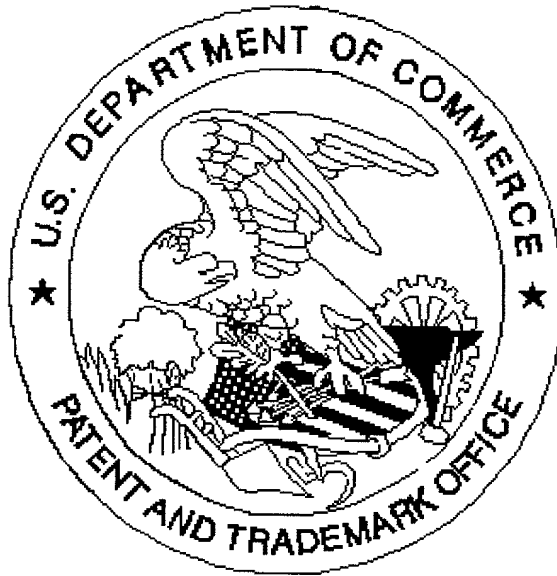
NEW DISPLAY TECHNOLOGIES THAT MAY ALLOW FOR ULTRA THIN FLAT PANEL DISPLAYS AND POSSIBLY ALLOW FOR CUSTOM SIZES (ULTRA WIDE FORMAT - PANORAMIC VIEW). IF THIS IS THE FUTURE THEN IT MAY BE THAT THE DISPLAY ITSELF WILL ROTATE UP TO POSITION, THUS NO NEED FOR A MIRROR ... TBD ???

— ULTRA WIDE - ULTRA THIN FLAT PANEL DISPLAY



GRAPHICS: FUTURE I/R.
IMAGES MAY BE GRAPHICALLY
DISPLAYED INSTEAD OF THE
ACTUAL CAMERA IMAGE... LESS
DISTRACTING PRIORITIZED
INFORMATIONAL FEEDBACK.

United States Patent & Trademark Office
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Application deficiencies found during scanning:

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for scanning. (Document title)

☒ *Scanned copy is best available. Most of the Attachment A Drawings are Dark.*